

GILA RIVER BASIN
09520500 GILA RIVER NEAR DOME, AZ

LOCATION.--Lat 35°45'39", long 114°25'11", in SW $\frac{1}{4}$ sec. 4, T.8 S., R.21 E., Yuma County, Hydrologic Unit 15070201, on right bank 440 ft upstream from McPhaul bridge on old route of State Highway 95, 3 mi west of Dome, and 12 mi upstream from mouth.

DRAINAGE AREA.--57,850 mi², approximately, includes 373 mi² in Aubrey Valley Playa, a closed basin, but excludes all other closed basins.

PERIOD OF RECORD.--Jan. 1903 to current year. Monthly total, maximum, and minimum daily discharges only for Jan. 1903 to Dec. 1904 and Jan. 1906 to July 1929 in WSP 918 or WSP 1313. Published as "at Yuma and Gila City" 1903, as "near Dome" 1904, and as "at Dome (Gila City)" 1905-06. Records for 1907--29 are published in WSP 918 as "at Yuma and at and near Dome."

REVISED RECORDS.--WSP 918: 1905. WSP 1733: July 1942. WSP 1926: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 139.18 ft above sea level. Prior to Oct. 1903 and Jan. 1907 to Apr. 1929, no gage; discharge estimated. Oct. 1903 to Dec. 1906, principal nonrecording gage 4 mi upstream at datum 19.19 ft higher, supplemented by many nonrecording gages at different datums. May 1929 to May 31, 1981, at datum 9.00 ft higher.

REMARKS.--No estimated daily discharge. Records poor. Many diversions above station for irrigation. Flow above station regulated by reservoirs at and above Painted Rock Dam; capacity of reservoir at Painted Rock Dam is 2,492,000 acre-ft. Painted Rock Reservoir, which is for flood control only, was completed in Oct. 1959 (see also REMARKS for sta 09518000).

EXTREMES FOR PERIOD OF RECORD.--1903--29: Maximum daily discharge, 200,000 ft³/s, roughly estimated, Jan. 22, 1916.

1929--59: Maximum discharge, 20,700 ft³/s Feb. 15, 1932, gage height, 25.75 ft, present datum; no flow for part or all of most years.

1959--2002: Maximum discharge 28,900 ft³/s Mar. 3, 1993, maximum gage height, 26.81 ft; no flow for part or all of most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 921 ft³/s June 20 at 0200, gage height, 17.24 ft. Minimum daily discharge, 1.5 ft³/s June 5 and August 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	17	19	25	16	28	16	8.9	3.9	3.3	1.7	2.3
2	8.1	17	19	27	17	27	23	9.3	2.8	3.6	2.2	2.8
3	8.9	16	18	33	17	26	54	8.2	1.9	3.5	1.7	3.4
4	9.0	16	17	34	17	27	22	7.6	1.6	4.3	1.7	5.8
5	9.1	17	17	32	16	28	21	5.1	1.5	4.5	1.5	3.2
6	11	17	17	27	15	28	20	3.6	1.9	4.9	1.7	2.7
7	12	19	17	27	16	27	17	3.4	1.8	5.9	2.6	2.7
8	12	21	20	23	19	32	17	3.4	2.3	3.7	6.8	5.4
9	13	25	23	30	19	30	16	4.5	2.4	5.3	6.6	396
10	14	23	25	26	17	28	16	6.1	2.2	4.1	3.7	106
11	17	19	23	20	17	27	14	5.6	2.5	2.9	2.2	50
12	17	22	23	20	16	27	17	10	5.1	3.6	2.7	38
13	16	22	26	20	16	37	13	9.0	8.4	7.5	4.2	32
14	15	18	28	21	15	26	11	7.0	5.6	18	20	25
15	13	17	27	20	19	26	12	4.4	4.0	12	11	21
16	14	18	27	21	21	46	14	3.6	3.6	5.4	8.0	15
17	16	18	24	20	21	33	14	4.2	3.2	3.4	6.6	13
18	16	16	25	21	39	32	13	3.1	4.6	3.7	4.8	9.8
19	12	16	28	20	106	27	12	3.0	2.9	5.6	4.2	9.0
20	11	19	33	18	24	27	12	3.4	196	5.5	4.9	6.5
21	12	20	36	16	24	27	14	7.0	10	4.7	4.2	6.5
22	18	20	32	19	29	25	14	4.6	6.1	3.6	3.7	6.5
23	24	16	31	20	38	26	8.8	3.9	5.5	3.4	4.5	7.8
24	23	20	33	21	29	27	11	3.8	4.8	2.8	3.6	7.1
25	19	23	33	19	26	22	10	5.1	5.9	4.3	2.7	9.1
26	18	24	32	18	24	19	10	3.2	8.0	6.6	4.4	10
27	17	22	30	18	24	18	13	2.9	8.7	4.7	3.8	11
28	20	21	30	20	23	19	7.6	2.7	4.6	6.8	2.3	9.0
29	21	19	28	19	26	23	8.0	3.8	3.2	5.4	2.6	6.1
30	21	19	26	17	---	18	7.5	9.4	2.9	4.2	3.7	5.4
31	19	---	25	17	---	17	---	9.3	---	2.0	2.8	---
TOTAL	464.7	577	792	689	706	830	457.9	169.1	317.9	159.2	137.1	828.1
MEAN	15.0	19.2	25.5	22.2	24.3	26.8	15.3	5.45	10.6	5.14	4.42	27.6
MAX	24	25	36	34	106	46	54	10	196	18	20	396
MIN	8.1	16	17	16	15	17	7.5	2.7	1.5	2.0	1.5	2.3
AC-FT	922	1140	1570	1370	1400	1650	908	335	631	316	272	1640

CAL YR 2003	TOTAL 4732.1	MEAN 13.0	MAX 46	MIN 1.0	AC-FT 9390
WTR YR 2004	TOTAL 6128.0	MEAN 16.7	MAX 396	MIN 1.5	AC-FT 12150